

(FILE 'HOME' ENTERED AT 12:05:52 ON 12 APR 2005)

FILE 'REGISTRY' ENTERED AT 12:06:10 ON 12 APR 2005

L1           STRUCTURE UPLOADED  
L2           14 S L1  
L3           195 S L1 FULL  
L4           2 S ABAMECTIN/CN OR AVERMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:08:05 ON 12 APR 2005

L5           430 S L3  
L6           4086 S ABAMECTIN OR AVERMECTIN OR L4  
L7           88 S L5 AND L6

FILE 'REGISTRY' ENTERED AT 12:10:20 ON 12 APR 2005

L8           1 S ABAMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:11:03 ON 12 APR 2005

L9           1907 S ABAMECTIN OR L8

FILE 'REGISTRY' ENTERED AT 12:11:50 ON 12 APR 2005

L10          1 S ABAMECTIN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:13:16 ON 12 APR 2005

L11          74 S L9 AND L5  
L12          0 S L9 (P) L5  
L13          401 S L5 AND (PESTICID? OR INSECTICID?)  
L14          185 S L5 (P) (PESTICID? OR INSECTICID?)  
L15          162 S L14 NOT L11  
L16          136481 S (APPL? OR TREAT? OR CONTACT?) (3A) (PLANT OR SEED OR FOILAGE  
L17          130 S L16 AND L5  
L18          28 S L16 (P) L5  
L19          1472 S L9 AND (INSECTICID? OR PESTICID?)  
L20          702 S L9 (P) (INSECTICID? OR PESTICID?)  
L21          904 S ACARI? AND L9  
L22          231 S ACARI? (P) L9  
L23          80 S ACARI? (3A) L9  
L24          74 S ACARI? (2A) L9  
L25          30 S ACARI? (A) L9

L15 ANSWER 160 OF 162 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1997:26288 CAPLUS  
 DOCUMENT NUMBER: 126:74876  
 TITLE: Preparation of 5-(tetrahydrofuran-3-yl)methyl-4-nitroiminoperhydro-1,3,5-oxadiazine derivatives as insecticides  
 INVENTOR(S): Matsuo, Shingo; Wakita, Takeo; Odaka, Kenji; Shiraishi, Shiro  
 PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08291171	A2	19961105	JP 1995-95147	19950420
PRIORITY APPLN. INFO.:			JP 1995-95147	19950420

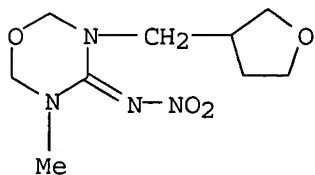
OTHER SOURCE(S): MARPAT 126:74876

AB The title compds. (I; R = C1-3 alkyl), which show a broad spectrum of excellent herbicidal activity in spite of lacking 1-oxidopyridiniomethyl or thiazolylmethyl structure, are prepared Thus, 3-methyl-4-nitroiminoperhydro-1,3,5-oxadiazine was alkylated by tetrahydrofuran-3-nylmethyl mesylate (preparation given) in the presence of K<sub>2</sub>CO<sub>3</sub> in DMF at 80° for 1 h to give 40% I (R = Me). This compound at 100 ppm killed 100% adult Laodelphax striatellus and Nephotettix cincticeps on rice seedlings and adult Spodoptera litura on sweet potato leaves.

IT **185043-87-2P**  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (tetrahydrofuranylmethyl)(nitroimino)perhydrooxadiazine derivs. as **insecticides**)

RN 185043-87-2 CAPLUS

CN 4H-1,3,5-Oxadiazin-4-imine, tetrahydro-3-methyl-N-nitro-5-[(tetrahydro-3-furanylmethyl)- (9CI) (CA INDEX NAME)



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L25 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:215018 CAPLUS

DOCUMENT NUMBER: 122:3516

TITLE: Avermectins-a new group of pesticides for plant protection

AUTHOR(S): Baranowski, Tadeusz

CORPORATE SOURCE: Akademia Rolnicza, Poznan, 60-594, Pol.

SOURCE: Materialy Sesji Naukowej Instytutu Ochrony Roslin (Poznan) (1992), Volume Date 1991, 31(1), 214-20  
CODEN: MSNRD5; ISSN: 0208-4414

PUBLISHER: Panstwowe Wydawnictwo Rolnicze i Lesne, Oddzial w Poznaniu

DOCUMENT TYPE: Journal

LANGUAGE: Polish

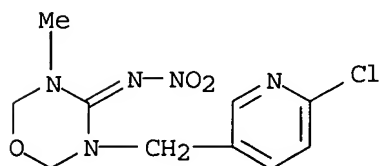
AB Avermectin (abamectin) is a new product for the control of harmful spider mites (*Tetranychus urticae*) and leafminers (*Liriomyza* spp.) on ornamental crops. It is a natural product produced by the soil microorganism *Streptomyces avermectilis*. Abamectin has a unique mode of action. It is chemical unrelated to any other miticide or insecticide. Abamectin is nonphytotoxic at the recommended dose rate on virtually all varieties tested. Abamectin leaves no visible residue, but provides a reservoir of long-lasting activity within the leaf. It is not considered disruptive to natural predators or beneficial insects.

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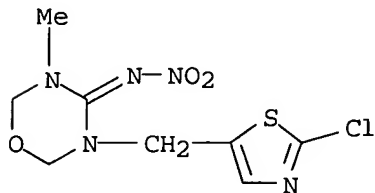
L15 ANSWER 161 OF 162 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1995:967179 CAPLUS  
 DOCUMENT NUMBER: 124:8855  
 TITLE: Preparation of nitroiminotetrahydrooxadiazines as insecticides  
 INVENTOR(S): Moriie, Koichi; Ootsu, Juichi; Hatsutori, Yumi; Watanabe, Akira; Ito, Akimi  
 PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo Kk, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07224062	A2	19950822	JP 1994-35254	19940209
JP 3159859	B2	20010423		

PRIORITY APPLN. INFO.: JP 1994-35254 19940209  
 OTHER SOURCE(S): MARPAT 124:8855  
 AB The title compds. I [A = 6-chloro-3-pyridyl, etc.; R1 = H, methyl; X = O, S; R2 = H, alkyl; Y = nitro, etc.; a proviso is given] are prepared The title compound II (preparation given) at 400 ppm gave 100% control of Myzus persicae.  
 IT 153719-22-3P 153719-23-4P 171103-03-0P 171103-04-1P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of nitroiminotetrahydrooxadiazines as insecticides)  
 RN 153719-22-3 CAPLUS  
 CN 4H-1,3,5-Oxadiazin-4-imine, 3-[(6-chloro-3-pyridinyl)methyl]tetrahydro-5-methyl-N-nitro- (9CI) (CA INDEX NAME)



RN 153719-23-4 CAPLUS  
 CN 4H-1,3,5-Oxadiazin-4-imine, 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro- (9CI) (CA INDEX NAME)



RN 171103-03-0 CAPLUS  
 CN 2H-1,3,5-Oxadiazin-4-amine, 3-[(6-chloro-3-pyridinyl)methyl]-3,6-dihydro-N-nitro- (9CI) (CA INDEX NAME)

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